

Spark protector:
TDK T90-A75XSMD
Sparkover voltage: 75V +/- 20%

Sheet: /

File: controller.sch

Title: Controller

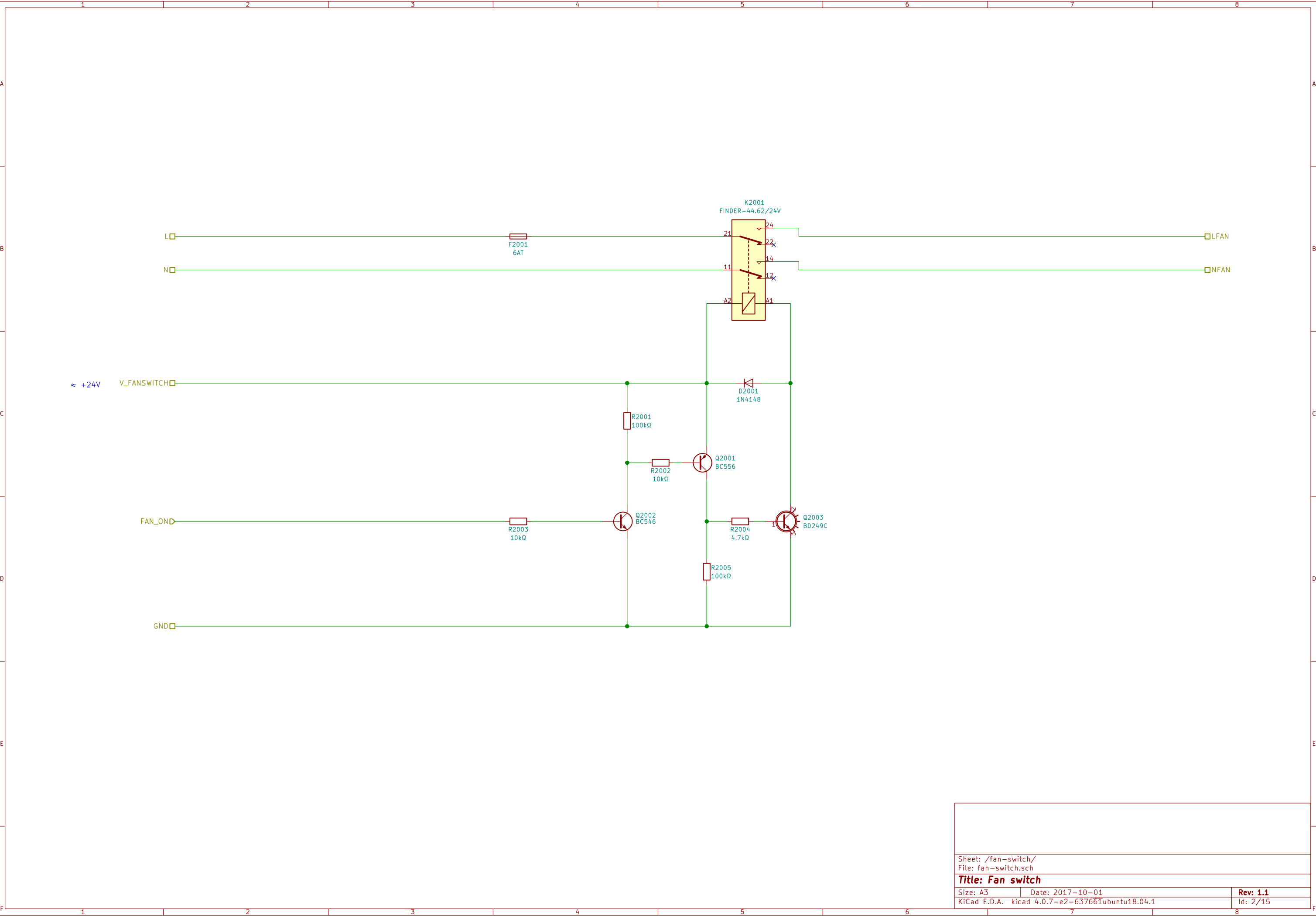
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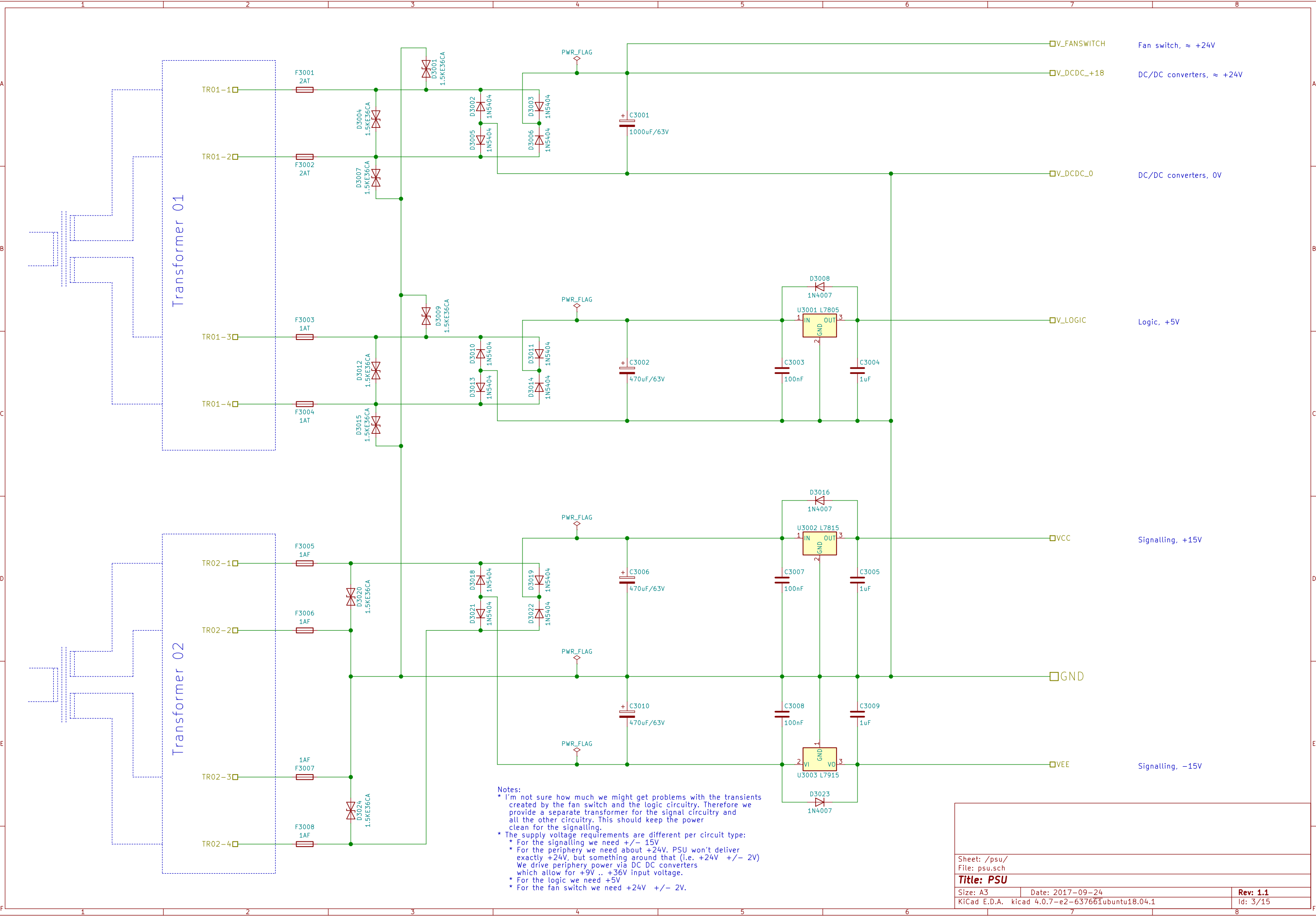
Date: 2017-09-24

Rev: 1.1

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Id: 1/15

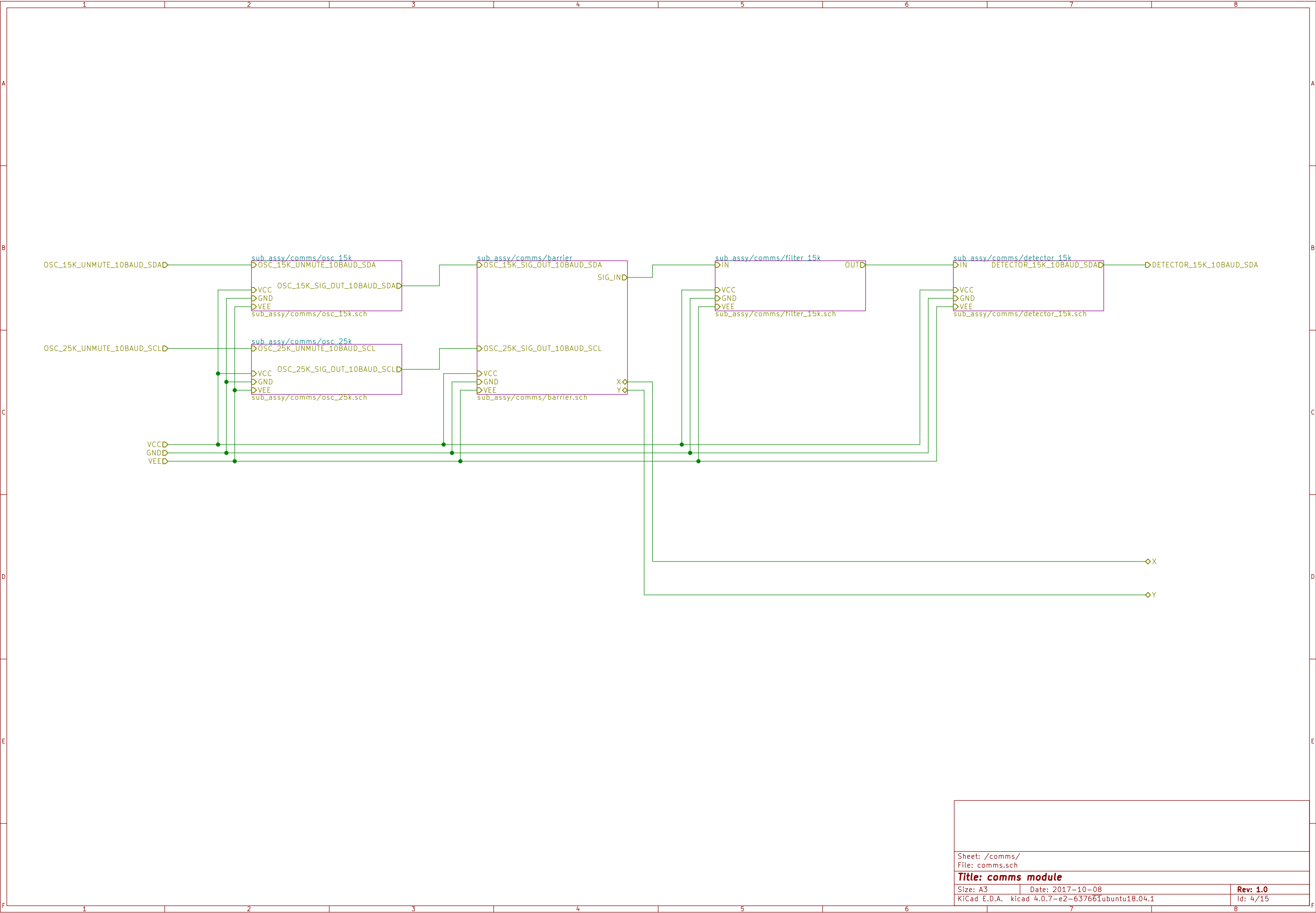


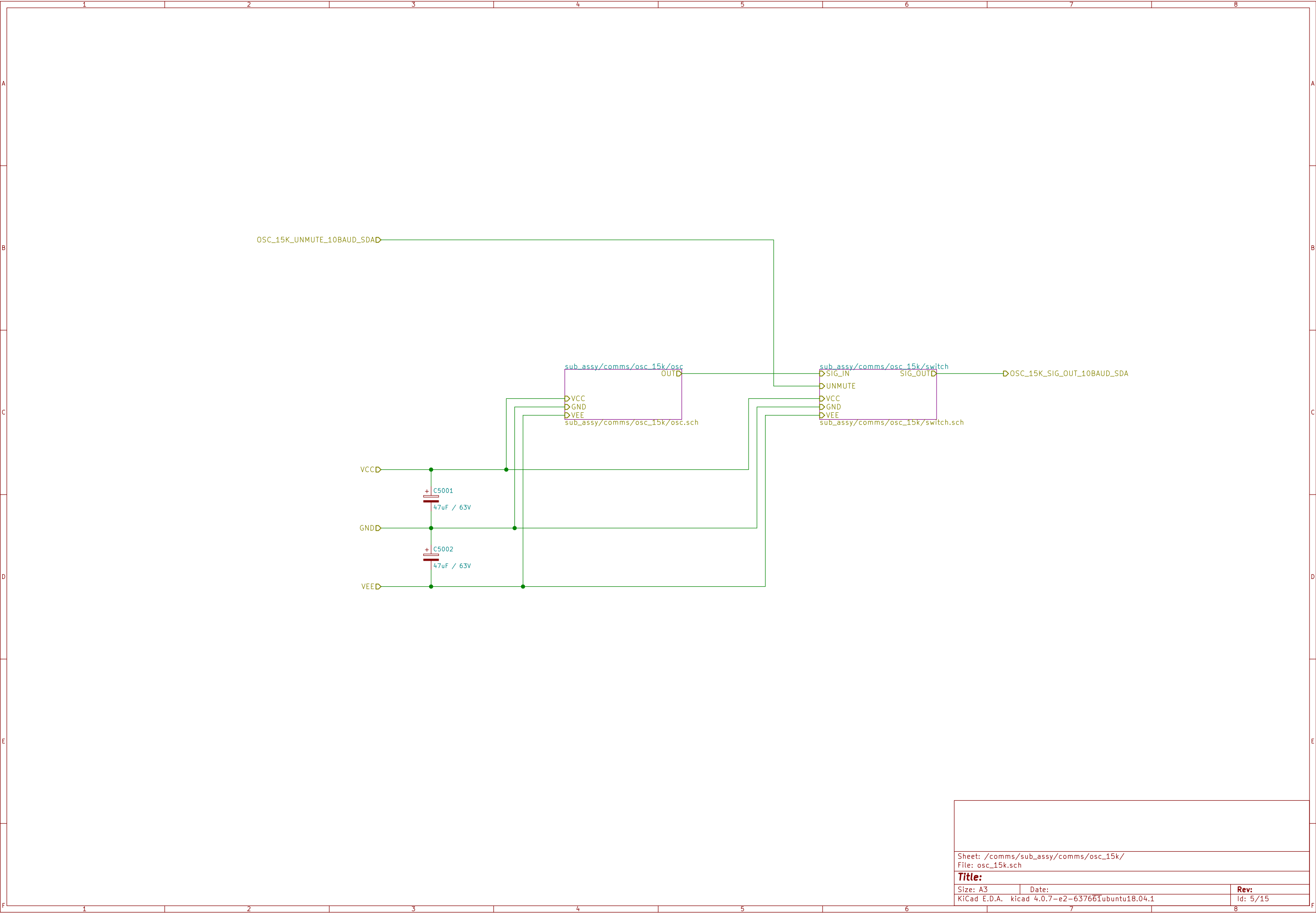


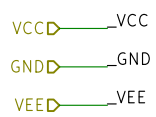
Notes:

- * I'm not sure how much we might get problems with the transients created by the fan switch and the logic circuitry. Therefore we provide a separate transformer for the signal circuitry and all the other circuitry. This should keep the power clean for the signalling.
- * The supply voltage requirements are different per circuit type:
 - * For the signalling we need +/- 15V
 - * For the periphery we need about +24V. PSU won't deliver exactly +24V, but something around that (i.e. +24V +/- 2V) We drive periphery power via DC DC converters which allow for +9V .. +36V input voltage.
 - * For the logic we need +5V
 - * For the fan switch we need +24V +/- 2V.

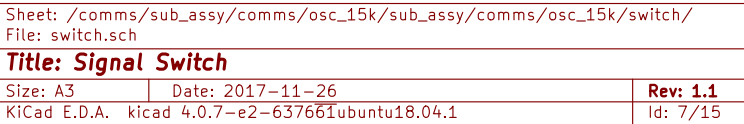
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KiCad E.D.A. kicad 4.0.7-e2-637661ubuntu18.04.1		Id: 3/15

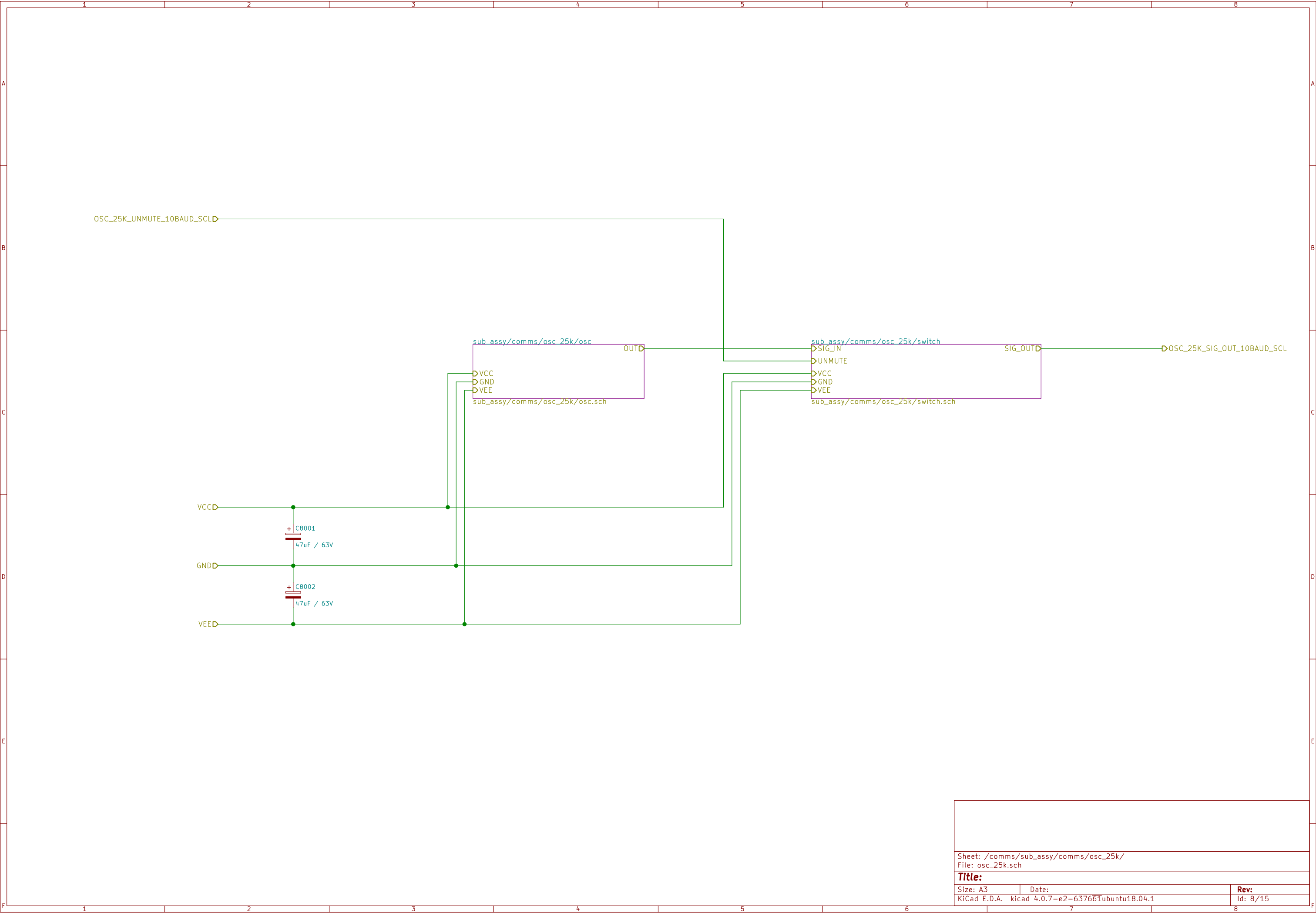




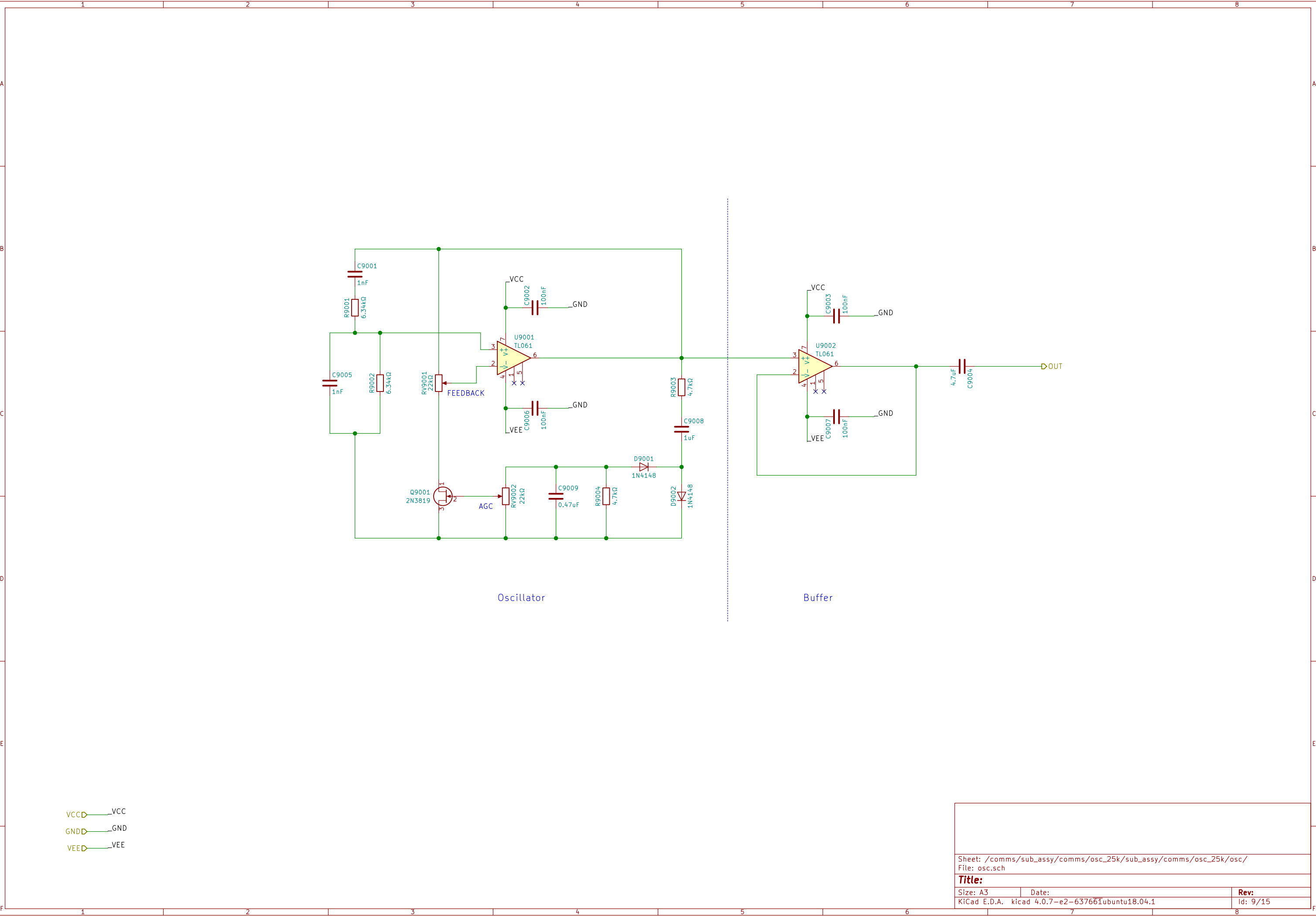


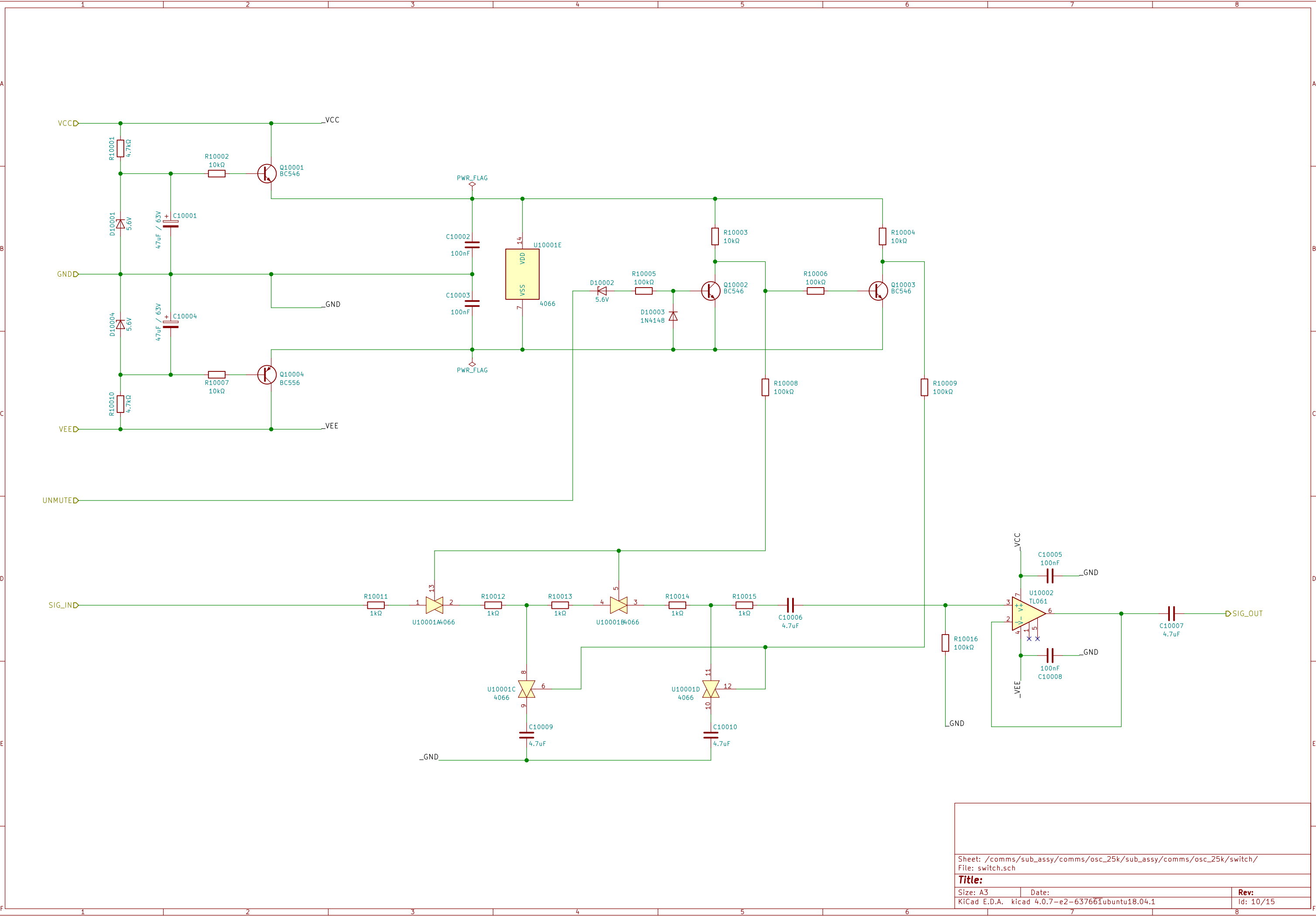
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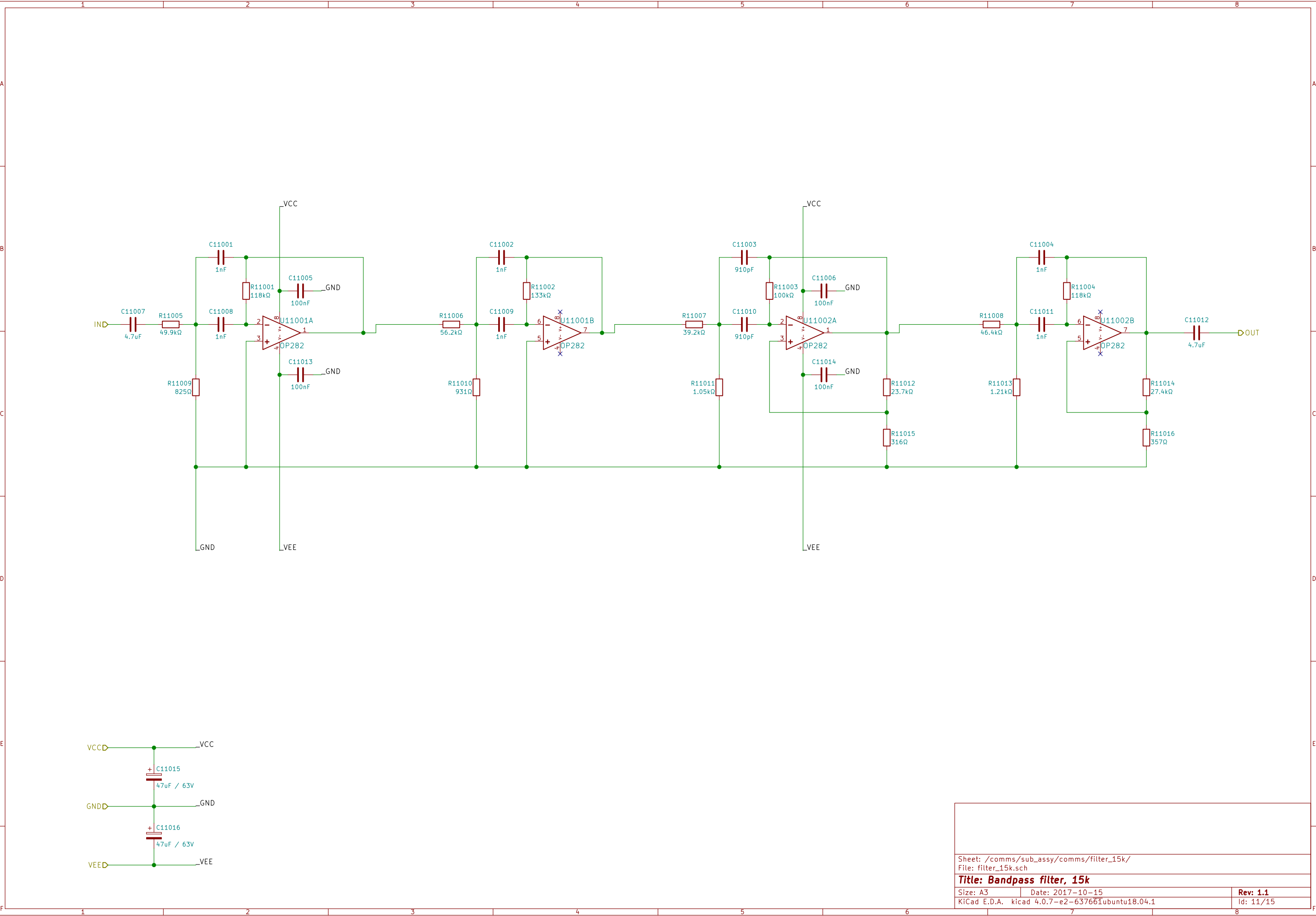


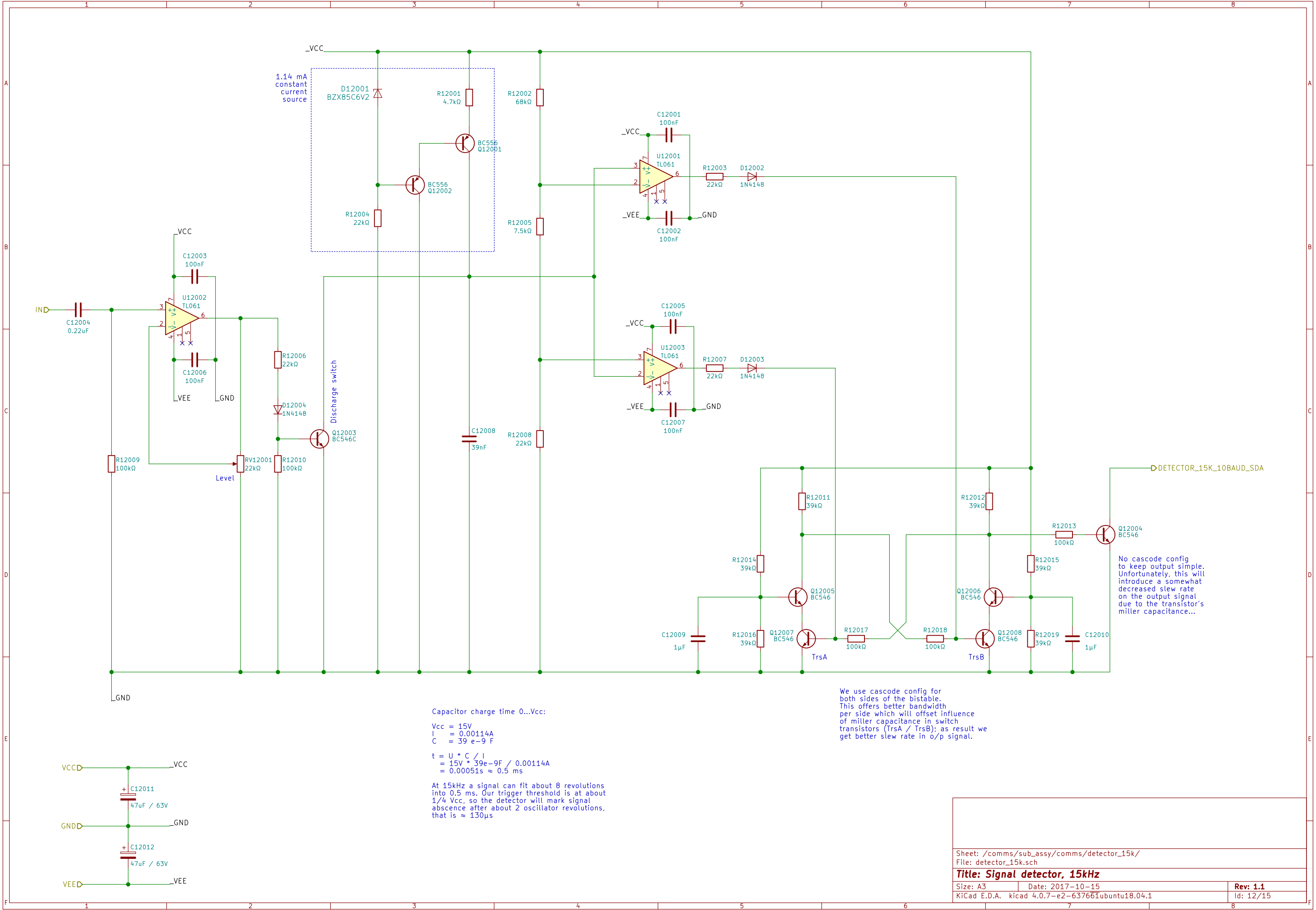


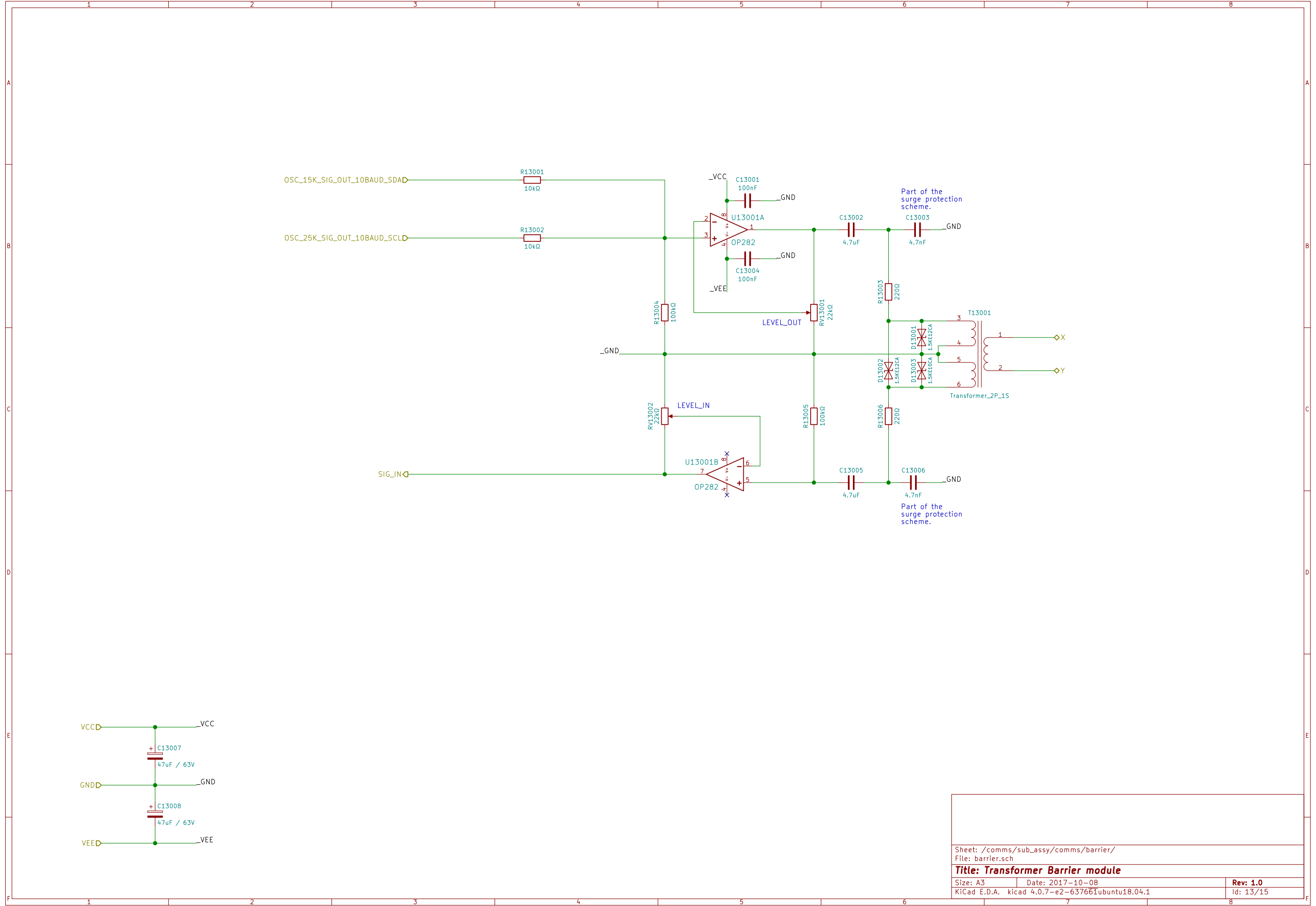
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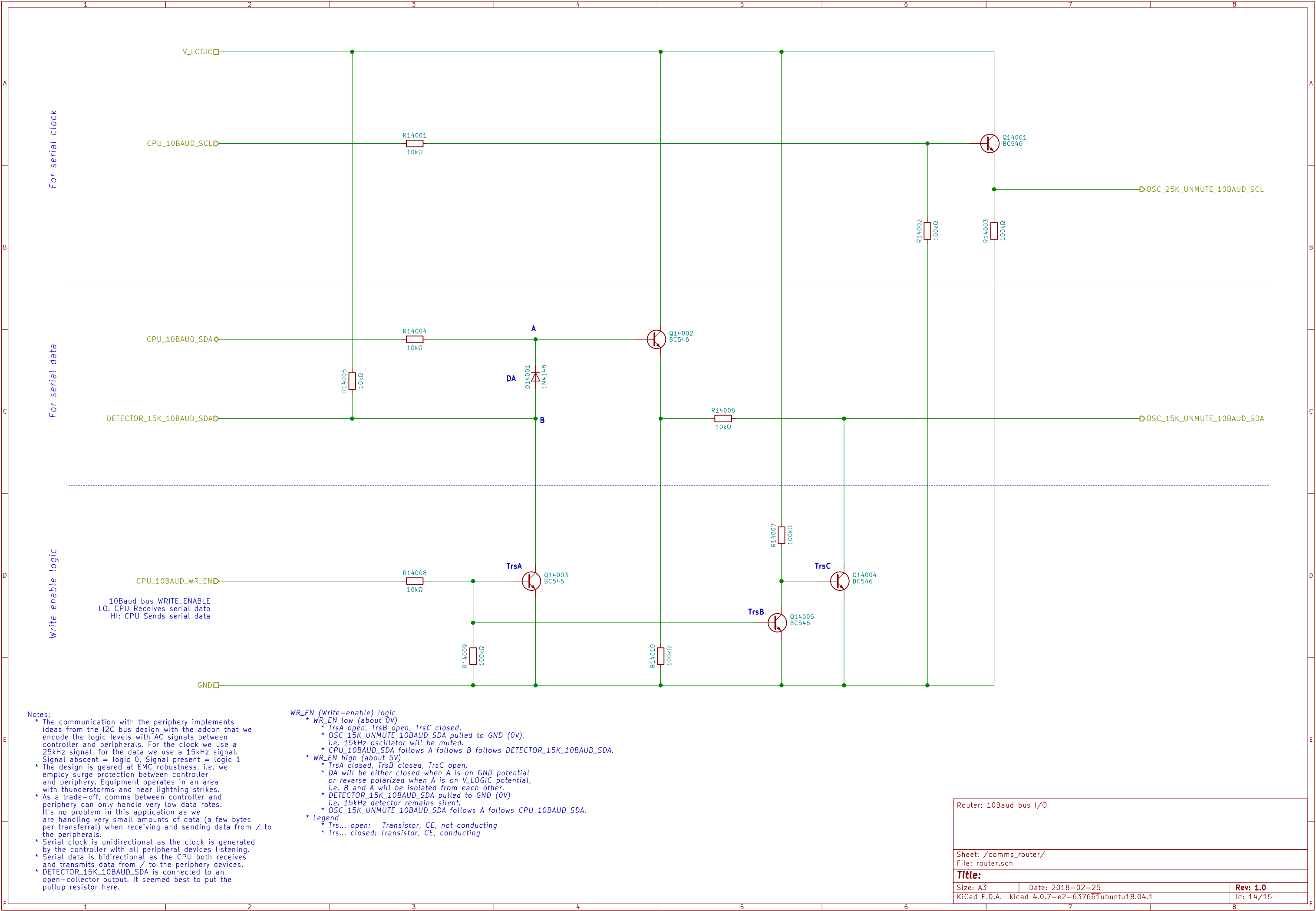


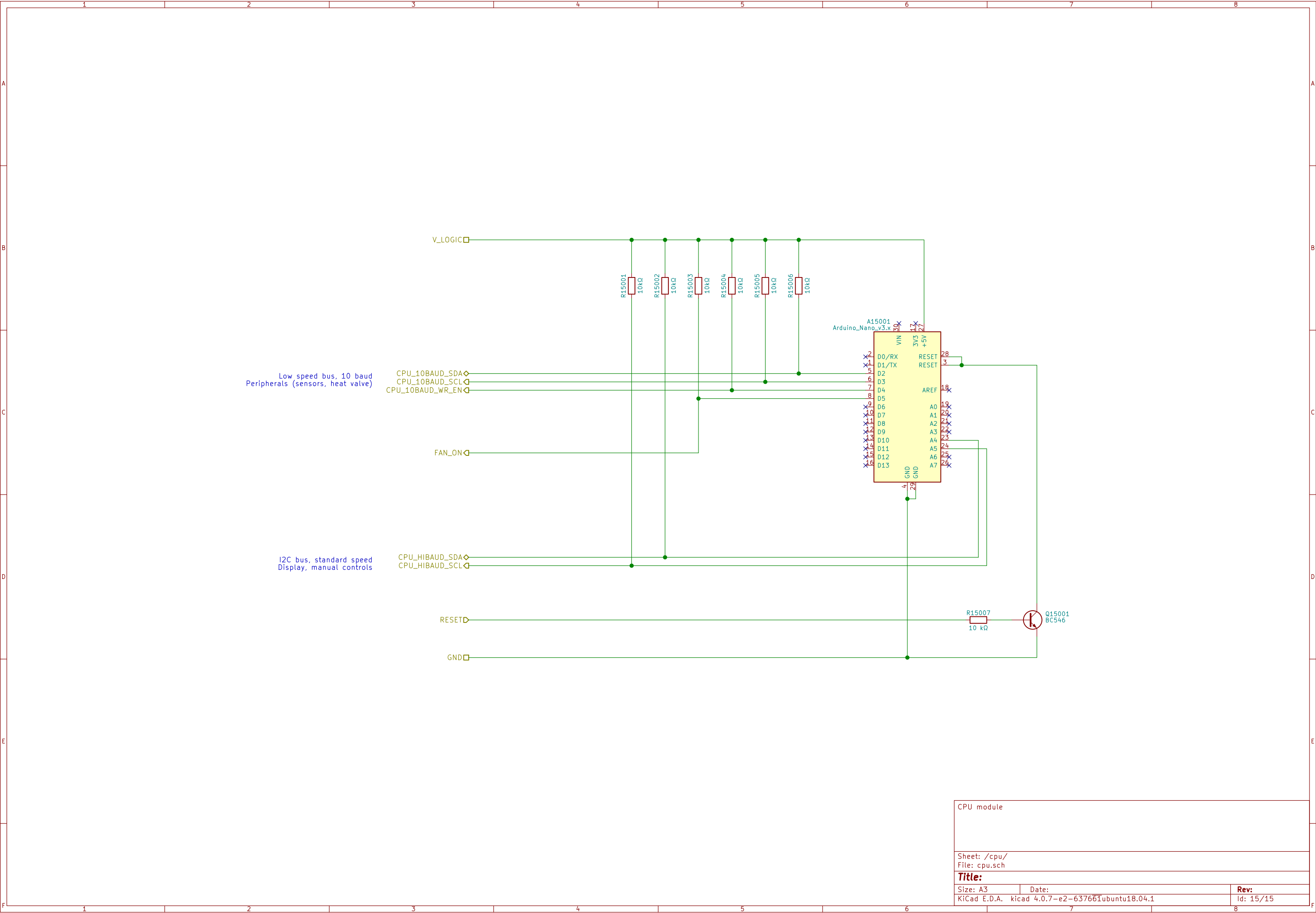












CPU module		
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